Performance Data Sheet

AGB5568EXH

General Information

Model	AGB5568EXH	**Refrigerant**	R-22
Test Condition	ASHRAE	**Performance Test Voltage**	575V 3~ 60HZ
Return Gas	-6.7°C (20°F) SUPERHEAT	**Motor Type**	3PH

Performance Information

Evap Temp (°F)		Condensing Temperature (°F)						
		80	90	100	110	120	130	140
-15	Btu/h	26200	22500					
	Watts	3650	3470					
	Amps	1.74	3.56					
	Lb/h	342	303					
-10	Btu/h	27300	23700	20400				
	Watts	3720	3600	3470				
	Amps	2.08	3.81	4.63				
	Lb/h	353	316	282				
-5	Btu/h	29200	25600	22200	19200			
	Watts	3810	3740	3650	3560			
	Amps	2.41	4.07	4.80	5.01			
	Lb/h	374	339	307	276			
0	Btu/h	31800	28200	24800	21700	18900		
	Watts	3900	3880	3850	3810	3760		
	Amps	2.73	4.34	5.01	5.13	5.10		
	Lb/h	405	372	340	311	283		
5	Btu/h	35300	31600	28200	24900	21900		
	Watts	4010	4040	4060	4070	4070		
	Amps	3.03	4.61	5.23	5.29	5.18		
	Lb/h	446	414	383	354	326		
10	Btu/h	39600	35800	32200	28900	25700	22700	20000
	Watts	4140	4220	4280	4330	4370	4410	4440
	Amps	3.31	4.88	5.48	5.50	5.33	5.37	6.02
	Lb/h	496	465	436	407	378	351	325
15	Btu/h	44600	40800	37100	33500	30100	26800	23800
	Watts	4270	4400	4510	4610	4690	4770	4830
	Amps	3.55	5.14	5.74	5.74	5.54	5.53	6.11
	Lb/h	555	526	497	468	440	412	384
20	Btu/h	50500	46500	42600	38800	35100	31600	28200
	Watts	4420	4590	4750	4890	5010	5130	5230
	Amps	3.77	5.39	6.01	6.01	5.79	5.75	6.28
	Lb/h	623	596	567	539	510	481	451

25	Btu/h	57100	53000	48900	44800	40800	37000	33200
	Watts	4580	4800	4990	5170	5340	5490	5640
	Amps	3.94	5.62	6.28	6.31	6.10	6.05	6.55
	Lb/h	700	674	646	618	589	559	528
30	Btu/h	64500	60200	55900	51500	47200	43000	38800
	Watts	4760	5010	5250	5470	5670	5860	6040
	Amps	4.07	5.83	6.55	6.62	6.44	6.40	6.90
	Lb/h	786	761	734	706	676	645	612
35	Btu/h	72700	68200	63600	58900	54300	49700	45000
	Watts	4940	5240	5510	5770	6010	6240	6450
	Amps	4.14	6.01	6.81	6.95	6.82	6.81	7.33
	Lb/h	881	856	830	802	772	739	705
40	Btu/h	81700	76900	72000	67000	62000	56900	51900
	Watts	5140	5470	5790	6080	6360	6620	6860
	Amps	4.16	6.15	7.06	7.29	7.23	7.28	7.83
	Lb/h	983	960	935	906	875	842	806
45	Btu/h	91400	86400	81200	75800	70400	64900	59300
	Watts	5350	5720	6070	6400	6710	7000	7280
	Amps	4.12	6.25	7.29	7.63	7.66	7.79	8.40
	Lb/h	1090	1070	1050	1020	987	952	914
50	Btu/h		96600	91000	85300	79400	73400	67300
	Watts	5570	5980	6360	6720	7060	7380	7690
	Amps	4.01	6.31	7.50	7.97	8.11	8.34	9.03
	Lb/h	1210	1190	1170	1140	1110	1070	1030
55	Btu/h				95500	89100	82600	75900
	Watts	5800	6240	6660	7050	7420	7770	8110
	Amps	3.83	6.32	7.67	8.30	8.58	8.92	9.72
	Lb/h	1340	1320	1300	1270	1230	1200	1150

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	6.761093E+04	3.322322E+03	-9.156982E+01	7.369046E+02
C2	3.329978E+02	-6.929534E+01	2.066706E-03	5.499228E-01
C3	-4.983489E+02	1.809623E+01	2.558288E+00	-4.804399E+00
C4	2.078405E+01	5.206852E-01	-3.819387E-03	2.009196E-01
C5	6.998755E+00	1.224885E+00	2.111472E-03	1.283286E-01
C6	3.848279E-01	-1.663487E-01	-2.252107E-02	7.790542E-03
C7	-2.467912E-03	-2.898261E-04	-7.165889E-06	-2.118690E-04
C8	-6.074488E-02	-3.188680E-03	4.309554E-05	-1.295145E-04
C9	-4.378645E-02	-1.243338E-03	-1.699762E-05	-5.703106E-04
C10	3.206648E-03	3.847317E-04	6.595758E-05	5.903023E-06

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature